

EAST Search History**EAST Search History (Prior Art)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|---------------------|
| L1 | 2 | ("20030050188").PN. | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/01/22 14:23 |
| L3 | 55 | platinum with copper same catalyst oxidation ("25" OR "20" OR "15") same particle same size same angstrom | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/22 14:46 |
| L4 | 19 | platinum with copper same catalyst same particle same size same angstrom | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/22 14:50 |
| L5 | 112 | (platinum with copper same catalyst) (particle same size same angstrom) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/22 14:53 |
| L7 | 26 | ((platinum or pt) near (copper or cu) same catalyst) (particle same size same angstrom) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/22 15:35 |

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|-----|-------|---|---|-----|-----|---------------------|
| L8 | 164 | ((platinum or pt) near (copper or cu) same catalyst) (particle size angstrom) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/22 15:36 |
| L9 | 2 | "US 20070010396" | US-PGPUB; USPAT; USOCR; DERWENT | AND | ON | 2010/01/22 15:48 |
| L10 | 44697 | platinum copper catalyst | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L11 | 40 | platinum adj copper adj catalyst | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L12 | 3 | "0827225" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L13 | 2 | ("0827225").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2010/01/22 16:07 |
| L14 | 2 | ("0827225").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2010/01/22 16:07 |
| L15 | 10633 | itoh.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |

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|-----|--------|------------------|---|-----|----|---------------------|
| L16 | 2997 | electrocatalyst | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L17 | 13 | L16 L15 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L18 | 121153 | angstrom | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L19 | 2 | L18 L16 L15 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L20 | 179550 | ang | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L21 | 5 | L20 L15 L16 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L22 | 2 | "US 20060058185" | US_PGPUB; USPAT; USOCR; DERWENT | AND | ON | 2010/01/22 16:07 |
| L23 | 1305 | 502/330/.ccls. | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |

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|-----|---------|----------------|---|-----|----|---------------------|
| L24 | 752 | 502/345.ccls. | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L25 | 1894 | 502/325.ccls. | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L26 | 2230 | 429/44.ccls. | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L27 | 1371 | 429/42.ccls. | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L28 | 1219 | 502/185.ccls. | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L29 | 444 | 502/184.ccls. | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L30 | 2155 | h01m4/92 | DERWENT | AND | ON | 2010/01/22 16:07 |
| L31 | 3314 | b01j23/40 | DERWENT | AND | ON | 2010/01/22 16:07 |
| L32 | 127 | L31 L30 | DERWENT | AND | ON | 2010/01/22 16:07 |
| L33 | 2503423 | platinum or pt | DERWENT | AND | ON | 2010/01/22 16:07 |
| L34 | 1489265 | copper or cu | DERWENT | AND | ON | 2010/01/22 16:07 |

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|-----|---------|----------------------|---|-----|----|---------------------|
| L35 | 1225280 | L33 L34 | DERWENT | AND | ON | 2010/01/22 16:07 |
| L36 | 52 | L35 L32 | DERWENT | AND | ON | 2010/01/22 16:07 |
| L37 | 1044 | electrocataly\$3 | DERWENT | AND | ON | 2010/01/22 16:07 |
| L38 | 13 | L36 L37 | DERWENT | AND | ON | 2010/01/22 16:07 |
| L39 | 553879 | platinum or pt | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L40 | 1118160 | copper or cu | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L41 | 177071 | L39 L40 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L42 | 14 | L23 electrocataly\$3 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L43 | 2230 | 429/44.cols. | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L44 | 1371 | 429/42.cols. | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |

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| L45 | 605 | L43 L44 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L46 | 1179 | 502/334.ccls. | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L47 | 752 | 502/345.ccls. | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L48 | 33 | L46 L47 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L49 | 0 | L46 L47 L43 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L50 | 3 | L43 L47 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L51 | 9 | L43 L46 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L52 | 2 | "US 20070010396" | US_PGPUB; USPAT; USOCR; DERWENT | AND | ON | 2010/01/22 16:07 |

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|-----|---------|---|---|-----|-----|---------------------|
| L53 | 52 | ((("5,773,162") or ("5,876,867") or ("5,939,220") or ("6,036,791") or ("6,045,671") or ("6,048,633") or ("6,127,058") or ("6,171,721") or ("6,183,894") or ("6,187,164") or ("6,187,468") or ("6,225,011") or ("6,268,077") or ("6,294,280") or ("6,322,643") or ("6,458,741") or ("6,632,299") or ("6,730,350") or ("20020004453") or ("20020009626") or ("2002014103") or ("20030008196") or ("20030045425") or ("20030059666") or ("20040142230")).PN. | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/01/22 16:07 |
| L54 | 2503423 | platinum or pt | DERWENT | AND | ON | 2010/01/22 16:07 |
| L55 | 1489265 | copper or cu | DERWENT | AND | ON | 2010/01/22 16:07 |
| L56 | 1225280 | L54 L55 | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L57 | 14 | L53 L56 | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L58 | 61 | ((("3,701,687") or ("3,711,385") or ("4,061,495") or ("4,186,110") or ("4,192,907") or ("4,261,742") or ("4,677,035") or ("4,683,119") or ("4,707,229") or ("4,716,087") or ("4,737,205") or ("4,781,803") or ("4,812,434") or ("4,885,216") or ("4,885,376") or ("4,954,474") or ("4,970,128") or ("4,985,386") or ("5,024,905") or ("5,068,161") or ("5,077,141") or ("5,079,107") or ("5,096,866") or ("5,126,216") or ("5,178,971") or ("5,189,005")).PN. | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/01/22 16:07 |
| L59 | 113 | L53 L58 | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/22 16:07 |

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| L60 | 0 | ("5,225,3915,246,7915,516,3815,593,9345,635,439").PN. | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/01/22 16:07 |
| L61 | 10 | (("5,225,391") or ("5,246,791") or ("5,516,381") or ("5,593,934") or ("5,635,439")).PN. | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/01/22 16:07 |
| L62 | 123 | L53 L58 L61 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/22 16:07 |
| L63 | 24 | L54 L55 L62 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L64 | 0 | L43 L46 L47 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L65 | 0 | L46 L47 L56 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L66 | 0 | L47 L54 L55 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |

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| L67 | 0 | L46 L54 L55 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L68 | 0 | L43 L54 L55 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L69 | 0 | L54 L55 catalyst particle (angstrom or nm) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L70 | 0 | L54 L55 particle (angstrom or nm) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L71 | 0 | L54 L55 (angstrom or nm) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L72 | 0 | L54 L55 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L73 | 0 | L54 L55 catalyst particle (angstrom or nm) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L74 | 0 | L54 L55 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |

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| L75 | 0 | L54 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L76 | 2049 | ((platinum or pt) (copper or cu) catalyst particle (angstrom or nm) | DERWENT | AND | ON | 2010/01/22 16:07 |
| L77 | 0 | ((platinum or pt) (copper or cu) catalyst particle (angstrom or nm) "502". clas. | DERWENT | AND | ON | 2010/01/22 16:07 |
| L78 | 0 | ((platinum or pt) (copper or cu) catalyst particle (angstrom or nm) "429". clas. | DERWENT | AND | ON | 2010/01/22 16:07 |
| L79 | 84 | ((platinum or pt) same (copper or cu) same catalyst same particle same (angstrom or nm) | DERWENT | AND | ON | 2010/01/22 16:07 |
| L80 | 7 | ((("2003008196") or ("4716087")).PN. | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/01/22 16:07 |
| L81 | 8 | ((("5178971") or ("4970128") or ("5024905") or ("5876867")).PN. | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/01/22 16:07 |
| L82 | 147 | ((platinum or pt) (copper or cu) same2 catalyst same2 particle same (angstrom or nm) | DERWENT | AND | ON | 2010/01/22 16:07 |
| L83 | 18816 | ((platinum or pt) (copper or cu) catalyst particle (angstrom or nm) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L84 | 510 | ((platinum or pt) (copper or cu) same2 catalyst same2 particle same (angstrom or nm) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/22 16:07 |

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| L85 | 265 | (platinum or pt) same (copper or cu) same catalyst same particle same (angstrom or nm) | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L86 | 536 | h01m4/92.ipc. | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L87 | 2503423 | platinum or pt | DERWENT | AND | ON | 2010/01/22 16:07 |
| L88 | 1489265 | copper or cu | DERWENT | AND | ON | 2010/01/22 16:07 |
| L89 | 1225280 | L87 L88 | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L90 | 0 | L86 L89 | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L91 | 0 | L86 L87 L88 | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L92 | 0 | (platinum or pt) same (copper or cu) L86 | DERWENT | AND | ON | 2010/01/22 16:07 |

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| L93 | 97 | (platinum or pt) same2 (copper or cu) L86 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L94 | 3057302 | platinum or pt | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L95 | 2607425 | copper or cu | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L96 | 1402351 | L94 L95 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L97 | 2997 | electrocatalyst | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L98 | 2997 | L97 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L99 | 313636 | particle (angstrom or nm) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |

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|------|--------|---|---|-----|-----|---------------------|
| L100 | 505 | L94 L95 L97 L99 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L101 | 0 | L100 @ad<="2004" | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L102 | 0 | L100 @pd<="2004" | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L103 | 120345 | particle same (angstrom or nm) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L104 | 309 | L94 L95 L97 L103 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L105 | 2 | ("5024905").PN. | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/01/22 16:07 |
| L106 | 43 | ("4447506" "4711829" "4716087" "4794054" "4806515").PN. OR ("5024905").URPN. | US_PGPUB; USPAT; USOCR | AND | ON | 2010/01/22 16:07 |

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| L107 | 286 | :(platinum or pt) (copper or cu) same (\$7catalyst) particle angstrom :((atomic or at) same percent) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L108 | 1 | L106 L107 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L109 | 87788 | ("10" or "15" or "20" or "25") same angstrom | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L110 | 152 | L107 L109 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L111 | 206 | :(platinum or pt) same (copper or cu) same (\$7catalyst) particle angstrom :((atomic or at) same percent) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L112 | 107 | L109 L111 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L113 | 415 | :(platinum with copper) catalyst angstrom atomic percent | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/22 16:07 |

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| L114 | 75496 | "502".clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L115 | 164 | L113 L114 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/01/22 16:07 |
| L116 | 4 | (("4970128") or ("5068161")).PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/01/22 16:07 |
| L120 | 0 | :b01j23/40.ipc. | DERWENT | AND | ON | 2010/01/22 17:00 |
| S6 | 39759 | platinum copper catalyst | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2008/10/20 13:15 |
| S7 | 39 | platinum adj copper adj catalyst | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2008/10/20 13:15 |
| S8 | 3 | "0827225" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2008/10/21 09:14 |
| S9 | 2 | (("0827225")).PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/10/21 09:15 |

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|-----|--------|-----------------|---|-----|-----|---------------------|
| S10 | 2 | ("0827225").PN. | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/10/21 09:16 |
| S14 | 10034 | itoh.in. | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2008/10/21 09:17 |
| S15 | 2699 | electrocatalyst | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2008/10/21 09:18 |
| S16 | 13 | S15 S14 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2008/10/21 09:18 |
| S17 | 112505 | angstrom | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2008/10/21 09:23 |
| S18 | 2 | S17 S15 S14 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2008/10/21 09:24 |
| S19 | 164452 | ang | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2008/10/21 09:27 |
| S20 | 5 | S19 S14 S15 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2008/10/21 09:27 |

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|-----|------|------------------|---|-----|----|---------------------|
| S21 | 2 | "US 20060058185" | US_PGPUB; USPAT; USOOR; DERWENT | AND | ON | 2008/10/21 14:01 |
| S22 | 1237 | 502/330.ccls. | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2008/10/21 15:05 |
| S23 | 703 | 502/345.ccls. | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2008/10/21 15:05 |
| S24 | 1745 | 502/325.ccls. | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2008/10/21 15:05 |
| S25 | 2094 | 429/44.ccls. | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2008/10/21 15:06 |
| S26 | 1288 | 429/42.ccls. | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2008/10/21 15:06 |
| S27 | 1155 | 502/185.ccls. | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2008/10/21 15:06 |
| S28 | 419 | 502/184.ccls. | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2008/10/21 15:06 |
| S29 | 1855 | h01m4/92 | DERWENT | AND | ON | 2008/10/21 15:07 |

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|-----|---------|----------------------|---|-----|----|---------------------|
| S31 | 3095 | b01j23/40 | DERWENT | AND | ON | 2008/10/21 15:07 |
| S32 | 108 | S31 S29 | DERWENT | AND | ON | 2008/10/21 15:08 |
| S33 | 2212781 | platinum or pt | DERWENT | AND | ON | 2008/10/21 15:08 |
| S34 | 1236282 | copper or cu | DERWENT | AND | ON | 2008/10/21 15:08 |
| S35 | 1001548 | S33 S34 | DERWENT | AND | ON | 2008/10/21 15:08 |
| S36 | 40 | S35 S32 | DERWENT | AND | ON | 2008/10/21 15:09 |
| S37 | 916 | electrocataly\$3 | DERWENT | AND | ON | 2008/10/21 15:09 |
| S38 | 11 | S36 S37 | DERWENT | AND | ON | 2008/10/21 15:09 |
| S39 | 509221 | platinum or pt | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2008/10/21 15:10 |
| S40 | 1033652 | copper or cu | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2008/10/21 15:10 |
| S41 | 157649 | S39 S40 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2008/10/21 15:10 |
| S42 | 12 | S22 electrocataly\$3 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2008/10/21 15:13 |

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|-----|------|---------------|---|-----|----|---------------------|
| S43 | 2132 | 429/44.ccls. | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2009/02/27 09:46 |
| S44 | 1314 | 429/42.ccls. | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2009/02/27 09:46 |
| S45 | 582 | S43 S44 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2009/02/27 09:46 |
| S46 | 1119 | 502/334.ccls. | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2009/02/27 09:47 |
| S47 | 718 | 502/345.ccls. | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2009/02/27 09:47 |
| S48 | 24 | S46 S47 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2009/02/27 09:47 |
| S49 | 0 | S46 S47 S43 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2009/02/27 09:47 |
| S50 | 3 | S43 S47 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2009/02/27 09:47 |

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| S51 | 8 | S43 S46 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2009/02/27 09:47 |
| S52 | 2 | "US 20070010396" | US_PGPUB; USPAT; USOCR; DERWENT | AND | ON | 2009/02/27 09:51 |
| S53 | 52 | ((("5,773,162") or ("5,876,867") or ("5,939,220") or ("6,036,791") or ("6,045,671") or ("6,048,633") or ("6,127,058") or ("6,171,721") or ("6,183,894") or ("6,187,164") or ("6,187,468") or ("6,225,011") or ("6,268,077") or ("6,294,280") or ("6,322,643") or ("6,458,741") or ("6,632,299") or ("6,730,350") or ("20020004453") or ("20020009626") or ("2002014103") or ("20030008196") or ("20030045425") or ("20030059666") or ("20040142230")).PN. | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/27 10:09 |
| S54 | 2293444 | platinum or pt | DERWENT | AND | ON | 2009/02/27 10:21 |
| S55 | 1307796 | copper or cu | DERWENT | AND | ON | 2009/02/27 10:21 |
| S56 | 1064712 | S54 S55 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/02/27 10:21 |
| S57 | 14 | S53 S56 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/02/27 10:21 |
| S58 | 60 | ((("3,701,687") or ("3,711,385") or ("4,061,495") or ("4,186,110") or ("4,192,907") or ("4,261,742") or ("4,677,035") or ("4,683,119") or ("4,707,229") or ("4,716,087") or ("4,737,205") or ("4,781,803") or ("4,812,434") or ("4,885,216") or ("4,885,376") or ("4,954,474") or ("4,970,128") or ("4,985,386") or ("5,024,905") or ("5,068,161") or ("5,077,141") or ("5,079,107") or ("5,096,866") or ("5,126,216") or ("5,178,971") or ("5,189,005")).PN. | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/27 10:25 |

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|-----|-----|---|---|-----|-----|---------------------|
| S61 | 112 | S53 S58 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/27 10:26 |
| S62 | 0 | ("5,225,3915,246,7915,516,3815,593,9345,635,439").PN. | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/27 10:26 |
| S63 | 10 | ((("5,225,391") or ("5,246,791") or ("5,516,381") or ("5,593,934") or ("5,635,439"))).PN. | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/27 10:27 |
| S64 | 122 | S53 S58 S63 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/27 10:27 |
| S65 | 24 | S54 S55 S64 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/02/27 10:27 |
| S66 | 0 | S43 S46 S47 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/02/27 10:34 |
| S67 | 0 | S46 S47 S56 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2009/02/27 10:38 |

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|-----|---|--|---|-----|----|---------------------|
| S68 | 0 | S47 S54 S55 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2009/02/27 10:39 |
| S69 | 0 | S46 S54 S55 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2009/02/27 10:39 |
| S70 | 0 | S43 S54 S55 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2009/02/27 10:39 |
| S71 | 0 | S54 S55 catalyst particle (angstrom or nm) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2009/02/27 10:40 |
| S72 | 0 | S54 S55 particle (angstrom or nm) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2009/02/27 10:40 |
| S73 | 0 | S54 S55 (angstrom or nm) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2009/02/27 10:41 |
| S74 | 0 | S54 S55 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2009/02/27 10:41 |
| S75 | 0 | S54 S55 catalyst particle (angstrom or nm) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2009/02/27 10:41 |

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|-----|-------|---|---|-----|-----|---------------------|
| S76 | 0 | S54 S55 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2009/02/27 10:41 |
| S77 | 0 | S54 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2009/02/27 10:42 |
| S78 | 1742 | (platinum or pt) (copper or cu) catalyst particle (angstrom or nm) | DERWENT | AND | ON | 2009/02/27 10:42 |
| S79 | 0 | (platinum or pt) (copper or cu) catalyst particle (angstrom or nm) "502". clas. | DERWENT | AND | ON | 2009/02/27 10:42 |
| S80 | 0 | (platinum or pt) (copper or cu) catalyst particle (angstrom or nm) "429". clas. | DERWENT | AND | ON | 2009/02/27 10:42 |
| S81 | 54 | (platinum or pt) same (copper or cu) same catalyst same particle same (angstrom or nm) | DERWENT | AND | ON | 2009/02/27 10:44 |
| S82 | 7 | (("2003008196") or ("4716087")).PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/27 11:06 |
| S83 | 8 | (("5178971") or ("4970128") or ("5024905") or ("5876867")).PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/27 11:10 |
| S84 | 108 | (platinum or pt) (copper or cu) same2 catalyst same2 particle same (angstrom or nm) | DERWENT | AND | ON | 2009/02/27 11:48 |
| S85 | 16364 | (platinum or pt) (copper or cu) catalyst particle (angstrom or nm) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/02/27 11:48 |

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|-----|---------|---|---|-----|----|---------------------|
| S86 | 423 | (platinum or pt) (copper or cu) same2 catalyst same2 particle same (angstrom or nm) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/02/27 11:49 |
| S87 | 214 | (platinum or pt) same (copper or cu) same catalyst same particle same (angstrom or nm) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/02/27 11:49 |
| S88 | 452 | h01m4/92.ipc. | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/02/27 13:59 |
| S89 | 2293444 | platinum or pt | DERWENT | AND | ON | 2009/02/27 13:59 |
| S90 | 1307796 | copper or cu | DERWENT | AND | ON | 2009/02/27 13:59 |
| S91 | 1064712 | S89 S90 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/02/27 13:59 |
| S92 | 0 | S88 S91 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/02/27 13:59 |
| S93 | 0 | S88 S89 S90 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/02/27 13:59 |

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|------|---------|---|---|-----|----|---------------------|
| S94 | 0 | (platinum or pt) same (copper or cu) S88 | DERWENT | AND | ON | 2009/02/27 14:00 |
| S95 | 90 | (platinum or pt) same2 (copper or cu) S88 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/02/27 14:00 |
| S96 | 2815006 | platinum or pt | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/02/27 14:00 |
| S97 | 2365173 | copper or cu | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/02/27 14:02 |
| S98 | 1227636 | S96 S97 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/02/27 14:02 |
| S99 | 2773 | electrocatalyst | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2009/02/27 14:03 |
| S100 | 2773 | S99 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/02/27 14:03 |

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| S101 | 281883 | particle (angstrom or nm) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2009/02/27 14:03 |
| S102 | 448 | S96 S97 S99 S101 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/02/27 14:03 |
| S103 | 0 | S102 @ad<="2004" | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/02/27 14:05 |
| S104 | 0 | S102 @pd<="2004" | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/02/27 14:05 |
| S105 | 107465 | particle same (angstrom or nm) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | AND | ON | 2009/02/27 14:06 |
| S106 | 274 | S96 S97 S99 S105 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/02/27 14:07 |
| S107 | 2 | ("5024905").PN. | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/27 17:04 |
| S108 | 39 | ("4447506" "4711829" "4716087" "4794054" "4806515").PN. OR ("5024905").URPN. | US_PGPUB; USPAT; USOCR | AND | ON | 2009/07/29 14:45 |

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|------|-------|---|---|-----|----|---------------------|
| S109 | 276 | :(platinum or pt) (copper or cu) same (\$7catalyst) particle angstrom ((atomic or at) same percent) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/29 14:48 |
| S110 | 1 | S108 S109 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/29 14:48 |
| S111 | 85848 | ("10" or "15" or "20" or "25") same angstrom | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/29 14:51 |
| S112 | 145 | S109 S111 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/29 14:52 |
| S113 | 202 | :(platinum or pt) same (copper or cu) same (\$7catalyst) particle angstrom ((atomic or at) same percent) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/29 14:56 |
| S114 | 103 | S111 S113 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/29 14:57 |
| S115 | 402 | :(platinum with copper) catalyst angstrom atomic percent | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/29 15:21 |

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|------|-------|-----------------------------------|---|-----|-----|---------------------|
| S116 | 74517 | "502".clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/29 15:22 |
| S117 | 160 | S115 S116 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/29 15:22 |
| S118 | 4 | {"("4970128") or ("5068161")}.PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/29 15:45 |

EAST Search History (Interference)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|----------------|-----------------------|------------------|---------|------------------|
| L117 | 1023 | 502/330.ccls. | US-PGPUB; USPAT; UPAD | AND | ON | 2010/01/22 16:59 |
| L118 | 197 | h01m4/92.ipc. | US-PGPUB; USPAT; UPAD | AND | ON | 2010/01/22 16:59 |
| L119 | 812 | 502/334.ccls. | US-PGPUB; USPAT; UPAD | AND | ON | 2010/01/22 16:59 |
| L121 | 181 | b01j23/40.ipc. | US-PGPUB; USPAT; UPAD | AND | ON | 2010/01/22 17:00 |
| L122 | 1586 | 502/325.ccls. | US-PGPUB; USPAT; UPAD | AND | ON | 2010/01/22 17:00 |
| L123 | 961 | 502/326.ccls. | US-PGPUB; USPAT; UPAD | AND | ON | 2010/01/22 17:00 |
| L124 | 572 | 502/345.ccls. | US-PGPUB; USPAT; UPAD | AND | ON | 2010/01/22 17:01 |
| L125 | 2092 | 429/44.ccls. | US-PGPUB; USPAT; UPAD | AND | ON | 2010/01/22 17:01 |
| L126 | 1227 | 429/42.ccls. | US-PGPUB; USPAT; UPAD | AND | ON | 2010/01/22 17:01 |
| L127 | 829 | 502/185.ccls. | US-PGPUB; USPAT; UPAD | AND | ON | 2010/01/22 17:02 |
| L128 | 332 | 502/184.ccls. | US-PGPUB; USPAT; UPAD | AND | ON | 2010/01/22 17:02 |

1/22/2010 5:06:05 PM

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